Title (en)

SYSTEMS AND METHODS OF USING A HYPERVISOR WITH GUEST OPERATING SYSTEMS AND VIRTUAL PROCESSORS

Title (de)

SYSTEME UND VERFAHREN ZUR VERWENDUNG EINES HYPERVISORS MIT HILFSBETRIEBSSYSTEMEN UND VIRTUELLEN PROZESSOREN

Title (fr)

SYSTÈMES ET PROCÉDÉS D'UTILISATION D'UN HYPERVISEUR AVEC DES SYSTÈMES D'EXPLOITATION HÉBERGÉS ET DES PROCESSEURS VIRTUELS

Publication

EP 2972851 A1 20160120 (EN)

Application

EP 14718236 A 20140311

Priority

- US 201313828183 A 20130314
- US 2014023708 W 20140311

Abstract (en)

[origin: US2014282507A1] An apparatus includes a processor and a guest operating system. In response to receiving a request to create a task, the guest operating system requests a hypervisor to create a virtual processor to execute the requested task. The virtual processor is schedulable on the processor.

IPC 8 full level

G06F 9/48 (2006.01); **G06F 9/455** (2006.01)

CPC (source: EP US)

G06F 9/45533 (2013.01 - EP US); **G06F 9/45545** (2013.01 - US); **G06F 9/45558** (2013.01 - EP US); **G06F 9/4881** (2013.01 - EP US); G06F 2009/4557 (2013.01 - US)

Citation (search report)

See references of WO 2014159444A1

Citation (examination)

- US 2012117567 A1 20120510 - AMANO KATSUSHIGE [JP]
- WO 2010132298 A2 20101118 - APPLE INC [US], et al
- MATTHEW DANISH ET AL: "Virtual-CPU Scheduling in the Quest Operating System", REAL-TIME AND EMBEDDED TECHNOLOGY AND APPLICATIONS SYMPOSIUM (RTAS), 2011 17TH IEEE, IEEE, 11 April 2011 (2011-04-11), pages 169 - 179, XP031866569, ISBN: 978-1-61284-326-1, DOI: 10.1109/RTAS.2011.24
- ALEXANDRA AGUIAR ET AL: "A virtualization approach for MIPS-based MPSoCs", QUALITY ELECTRONIC DESIGN (ISQED), 2013 14TH INTERNATIONAL SYMPOSIUM ON, IEEE, 4 March 2013 (2013-03-04), pages 611 - 618, XP032418477, ISBN: 978-1-4673-4951-2, DOI: 10.1109/ISQED.2013.6523674

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2014282507 A1 20140918; **US 9396012 B2 20160719**; CN 105051690 A 20151111; CN 105051690 B 20181207; EP 2972851 A1 20160120; JP 2016511489 A 20160414; JP 2017204307 A 20171116; JP 6199477 B2 20170920; KR 20150132218 A 20151125; TW 201447766 A 20141216; TW I552076 B 20161001; US 10133598 B2 20181120; US 2016299780 A1 20161013; WO 2014159444 A1 20141002

DOCDB simple family (application)

US 201313828183 A 20130314; CN 201480013671 A 20140311; EP 14718236 A 20140311; JP 2016501323 A 20140311; JP 2017160075 A 20170823; KR 20157027145 A 20140311; TW 103109243 A 20140314; US 2014023708 W 20140311; US 201615188487 A 20160621